



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 558090

AGENCY REVIEW: _____

DATE 4-22-16

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 4 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) EDIN SETMENOVIC

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 12934 FOLLY QUARTER ROAD ELWCOTT CITY MD 21042
STREET CITY/TOWN STATE ZIP

APPLICANT SIL ENGINEERING GROUP, LLC

DAYTIME PHONE 443.325.5076 CELL 443.878.4314 FAX 410.696.2022

MAILING ADDRESS 11130 DOWDALE COURT, #200 MARLBOROUGH MD 21044
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 12934 FOLLY QUARTER ROAD LOT NO. N/A

PROPERTY ADDRESS 12934 FOLLY QUARTER ROAD ELWCOTT CITY
STREET TOWN/POST OFFICE

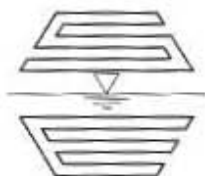
TAX MAP PAGE(S) 22 GRID 16 PARCEL(S) 173 PROPOSED LOT SIZE 5.2 Act

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



11130 Dovedale Court, Suite 200
 Marriottsville, MD 21104
 Website: www.sillengineering.com
 Civil Engineering for Land Development

Office: 443-325-5076
 Fax: 410-696-2022
 Email: info@sillengineering.com

SILL ENGINEERING GROUP, LLC

To: Mr. Jeff Williams
 Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Boulevard
 Columbia, MD 21045

Date:	April 22, 2016
Attention:	Jeff Williams
Re:	12934 Folly Quarter Road Percolation Application Plan
Project #:	15-051

We are sending you

<input checked="" type="checkbox"/> Attached	Under Separate Cover Via Mail the following:	
Letter	Originals	Other:
<input checked="" type="checkbox"/> Plans	Computations	

Quantity	Description	Quantity	Description
3	Percolation Application Plan		
1	Percolation Application		

These are transmitted as checked below

<input checked="" type="checkbox"/> For Approval	As Requested	Please Return After Using
<input checked="" type="checkbox"/> For Review	For Your Use	As Approved

Comments:

Copy To:

Signed:

Paul M. Sill, PE, LEED AP

Received by:

Date Received:

12934 Jolly Quarter Rd.

#609

Red Brown
yellow
SCL 4.5

Red Brown
yellow
Grey FSL
20-35%
Shale
many mica

Refusal @ 11
#610

Red Brown
Dense
SCL 7.5

Red Brown
Grey
Shale
10-20%
Sh
many mica
14'

A/P

#606
Red Brown
yellow
Sh
H₂O @ 6'

Red Brown
yellow
20-30%
Shale
many mica
H₂O @ Bottom
8'

#607
Red Brown
SCL
Dense
many
mica
9'

Red Brown
Black Grey
20-30%
Shale
many
mica
H₂O @ 10'
13'

#608
Red Brown
yellow
many
mica
SCL
5'

Red Brown
yellow
grey
FSL
H₂O @ 8'
13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8-10-16	606	8'	H ₂ O @ 8'			NO Buffer	F
8-10-16	607	13'	NO	Buffer			F
8-10-16	608	6' 13'	NO	Buffer			F
8-10-16	609	6' 11'	10:45	10:49	10:49	2 min P	
8-10-16	610	8' 14'	10:36	10:42	10:52	10 min P	

REMARKS Second Round of testing on Property
 SANITARIAN DBernard BACKHOE AEC, LLC OTHERS
 TEST HOLES USED IN SDA 5 AVG. PERC TIME SQ. FT/BR
 TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW

AP

#601

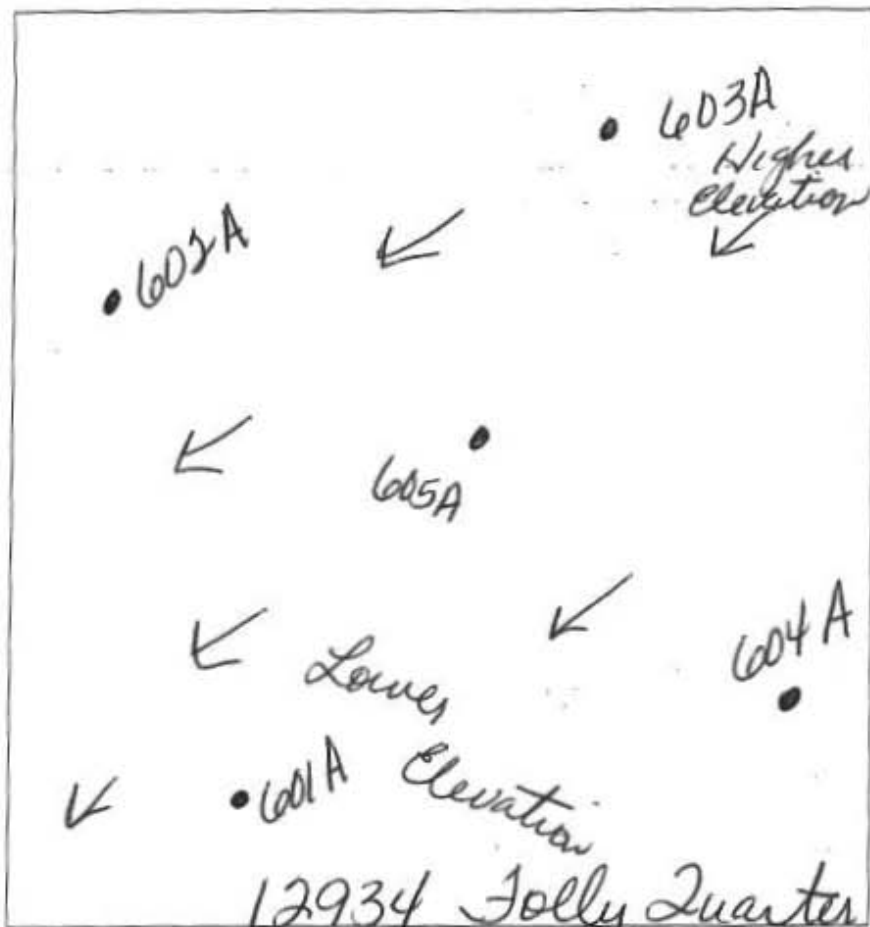
Red Brown
yellow
SCL
many
mud
streaks
of
grey
SCL
H₂O
in the
Bottom 5'

#604

Red Brown
yellow
SCL
many
mud
Grey
Clay
Laden
H₂O
in the
Bottom 5'

#601

Red Brown
yellow
SCL
Red Brown
yellow
Sh
5-10%
R₄
many
mud 12'



#602A

Red Brown
yellow
SCL 3'
Red Brown
yellow
F sh
many
mud
5-10% R₄
12'

603A

Red Brown
yellow
SCL
many
mud 3'
Red Brown
yellow
Sh
many
mud
5-10% R₄ 12'

604A

Red Brown
yellow
SCL 3
Red Brown
yellow
Sh
5-10% R₄ 12'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/FH
5-23-16	601		NO Buffer				F
5-23-16	602		NO Buffer				F
5-23-16	601A	5/13	10:26	10:40	10:47	7 min	P
5-23-16	602A	5/12	11:02	11:04	11:08	4 min	P
5-23-16	603A	4/5/12	11:10	11:14	11:18	4 min	P
5-23-16	604A	4/12	11:33	11:38	11:45	7 min	P
5-23-16	605A	4/12	12:00	12:03	12:10	7 min	P

REMARKS

SANITARIAN Raymond BACKHOE Justin OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/HR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Thursday, September 01, 2016 9:23 AM
To: Paul Sill (paul@sillengineering.com)
Subject: 12934 Folly Quarter Rd
Attachments: 12934 Folly Quarter Rd memo.pdf

Hi Paul. See attached memo with comments on 12934 Folly Quarter Rd perc cert.

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

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Office of the Health Officer

8930 Stanford Drive, MD 21045

Main: 410-313-6300 | Fax: 410-313-6303

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: [HowardCoHealthDepartment](https://twitter.com/HowardCoHealthDepartment)

Maura J. Rossman, M.D., Health Officer

Date: August 10, 2016
To: Sill Engineering , Inc.
C/o Paul Sill
Via E-Mail: paul@sillengineering.com

RE: **Percolation Testing Report**
12934 Folly Quarter Road
Tax Map 22, Parcel 173

Mr. Sill,

Percolation testing was conducted on the referenced property on August 10, 2016. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area.

A total of five (5) test holes were evaluated and two (2) were found to be satisfactory with moderate percolation rates. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation for the two (2) percolation test holes which were satisfactory. Field data collected is shown on the Percolation Test Worksheet attached to this letter.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve area. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Thank you & Have a*")

* Wonderful Day !

A handwritten signature in cursive script that reads 'Dana Bernard'.

Dana Bernard, R.E.H.S./L.E.H.S.

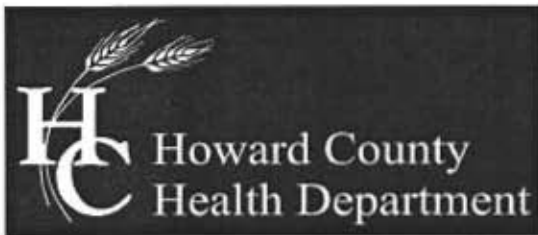
Environmental Specialist II

Bureau of Environmental Health

Well and Septic Program

Phone (410) 313-2775

E-mail: DBernard@howardcountymd.gov



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

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www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

Maura J. Rossman, M.D., Health Officer

MEMORANDUM

TO: Paul Sill, Sill Engineering

FROM: Jeff Williams
Program Supervisor, Well & Septic Program

RE: 12934 Folly Quarter Road Perc Certification Plan

DATE: September 1, 2016

I have reviewed the perc certification plan for 12934 Folly Quarter Road and have the following comments for revision:

- Add a note regarding the topography and state that it was field run or field verified
 - Label the existing structures and sewage disposal system as to be abandoned.
 - We have no record of the existing well. If it is intended to be kept, it must be shown to meet current construction standards and pass a potability and yield test prior to building permit issuance. Please include a note to that effect or label it as to be abandoned.
 - If there is a well tag on the well, label the well with the tag number on the plan.
 - The well note must either state that proof of the existing well meeting construction, potability, and yield requirements must be submitted or properly abandoned with a new well drilled prior to Health approval of a building permit.
 - Add a note stating that the existing sewage disposal system must be abandoned prior to Health approval of a demolition of the existing house and prior to Health approval of a building permit.
- CJ



Howard County
Health Department

Bureau of Environmental Health
8930 Stanford Blvd. Columbia, MD 21045
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org

Maura J. Rossman, M.D., Health Officer

Date: June 1, 2016

To: Sill Engineering, Inc.
C/O Paul Sill
Via E-Mail: paul@sillengineering.com

RE: **Percolation Testing Report**
12934 Folly Quarter Road
Ellicott City, MD 21104
Tax Map 22, Parcel 173

Mr. Paul Sill,

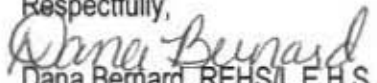
Percolation testing was conducted on the referenced property on May 23, 2016. The purpose for conducting these percolation tests was for an anticipated establishment of a sewage disposal area for an existing lot.

A total of seven (7) test holes evaluated and five (5) were found to be satisfactory with moderate percolation rates. Acceptable ranges for recommended inlet and trench bottom depth, and usable sidewall are indicated, and may be confirmed at the time of installation for the five (5) percolation test holes which were satisfactory. Field data collected is shown on the Percolation Test Worksheet enclosed with this letter.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drain field and two repair drain fields for the planned residence.

The next step in this process is to submit a Percolation Certification Plan to confirm the design of the septic reserve area. If you have any questions or correspondence regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,


Dana Bernard, REHS/L.E.H.S.
Environmental Specialist II
Well and Septic Program

Enclosures (2)

File

Cc: Property Owner
Edin Sejmenovic
Via: Parcel Post

Bernard, Dana

From: Paul Sill <paul@sillengineering.com>
Sent: Monday, July 25, 2016 8:28 AM
To: Bernard, Dana
Subject: RE: 12934 Folly Quarter Road

Hey Dana,

The client wants to try perc-ing the area above the failed tests to achieve a gravity flow system. He is completely opposed to a pump system. We did a few test holes and found an area that we did not hit water in. I will have a revised plan to you later this week. Can you give me a few days that you are free to do the testing?

Thanks,

Paul

*7/25/16
Waiting on Revised Prop Perc Plan*

From: Bernard, Dana [mailto:dbernard@howardcountymd.gov]
Sent: Monday, June 13, 2016 5:09 PM
To: Paul Sill <paul@sillengineering.com>
Subject: FW: 12934 Folly Quarter Road

From: Bernard, Dana
Sent: Monday, June 13, 2016 10:55 AM
To: Bernard, Dana
Subject: RE: 12934 Folly Quarter Road

Mr. Sill,

I have attached the percolation information needed to move forward with your project. If you need additional information don't hesitate to give me a call.

Dana Bernard

From: Bernard, Dana
Sent: Friday, June 10, 2016 9:21 AM
To: 'Paul Sill'
Subject: RE: 12934 Folly Quarter Road

Yes! I will send it today.

From: Paul Sill [mailto:paul@sillengineering.com]
Sent: Thursday, June 09, 2016 3:14 PM
To: Bernard, Dana
Subject: RE: 12934 Folly Quarter Road

Afternoon Dana,

Have you had a chance to put together these perc notes yet?

Thanks,

Paul

From: Bernard, Dana [mailto:dbernard@howardcountymd.gov]
Sent: Friday, May 13, 2016 1:27 PM
To: Paul Sill <paul@sillengineering.com>
Subject: RE: 12934 Folly Quarter Road

Confirming 9:30 a.m.

From: Paul Sill [<mailto:paul@sillengineering.com>]

Sent: Friday, May 13, 2016 1:14 PM

To: Bernard, Dana

Subject: RE: 12934 Folly Quarter Road

Hey Dana,

Thanks for trying to fit us in sooner, but I can't get a backhoe lined up. So let's stick with the 23rd. What time do you want to start? Did you have any comments on the perc app that you need me to address before testing?

Thanks,

Paul

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]

Sent: Tuesday, May 10, 2016 8:57 AM

To: Paul Sill <paul@sillengineering.com>

Subject: RE: 12934 Folly Quarter Road

How about the 16th

From: Paul Sill [<mailto:paul@sillengineering.com>]

Sent: Monday, May 09, 2016 9:08 PM

To: Bernard, Dana

Subject: RE: 12934 Folly Quarter Road

Hi Dana,

Can you confirm if you have any other dates prior to the 23rd?

Thanks,

Paul

From: Paul Sill

Sent: Thursday, May 05, 2016 3:20 PM

To: 'Bernard, Dana' <dbernard@howardcountymd.gov>

Subject: RE: 12934 Folly Quarter Road

I talked with Justin at Level Land and while he can do the test, he said we can't get Miss Utility out there by Monday. Do you have any other dates before the 23rd?

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]

Sent: Thursday, May 05, 2016 9:03 AM

To: Paul Sill <paul@sillengineering.com>

Subject: RE: 12934 Folly Quarter Road

Monday, May 9th 2016

From: Paul Sill [<mailto:paul@sillengineering.com>]

Sent: Wednesday, May 04, 2016 6:03 PM

To: Bernard, Dana

Subject: RE: 12934 Folly Quarter Road

Hey Dana,

I'm checking with the client for the backhoe availability. Do you have any dates available sooner? The client is anxious to get things under construction.

Thanks,
Paul

From: Bernard, Dana [<mailto:dbernard@howardcountymd.gov>]
Sent: Wednesday, May 04, 2016 2:00 PM
To: Paul Sill <paul@sillengineering.com>
Subject: 12934 Folly Quarter Road

Good Afternoon Mr. Sill,

I have May 23, open for percolation testing and I would like to know who will be the contractor I will be working with so I can touch bases with them.

Thank you & Have a*~)

(. . . * Wonderful Day !

Dana Bernard, R.E.H.S/L.E.H.S.
Environmental Specialist II
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

Williams, Jeffrey

From: Paul Sill <paul@sillengineering.com>
Sent: Wednesday, December 07, 2016 1:09 PM
To: Williams, Jeffrey
Subject: RE: 12934 Folly Quarter Rd

Okay, thanks.

From: Williams, Jeffrey [mailto:jewilliams@howardcountymd.gov]
Sent: Wednesday, December 07, 2016 1:03 PM
To: Paul Sill <paul@sillengineering.com>
Subject: RE: 12934 Folly Quarter Rd

I don't see a site specific reason to require it now that the regs have changed.

From: Paul Sill [mailto:paul@sillengineering.com]
Sent: Tuesday, December 06, 2016 4:07 PM
To: Williams, Jeffrey
Subject: RE: 12934 Folly Quarter Rd

Hey Jeff,

The client has asked me about removing the BAT on this project. I don't see any reason it would be required. Can you give me your opinion on it?

Thanks,
Paul

From: Williams, Jeffrey [mailto:jewilliams@howardcountymd.gov]
Sent: Thursday, September 01, 2016 9:23 AM
To: Paul Sill <paul@sillengineering.com>
Subject: 12934 Folly Quarter Rd

Hi Paul. See attached memo with comments on 12934 Folly Quarter Rd perc cert.

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261
jewilliams@howardcountymd.gov

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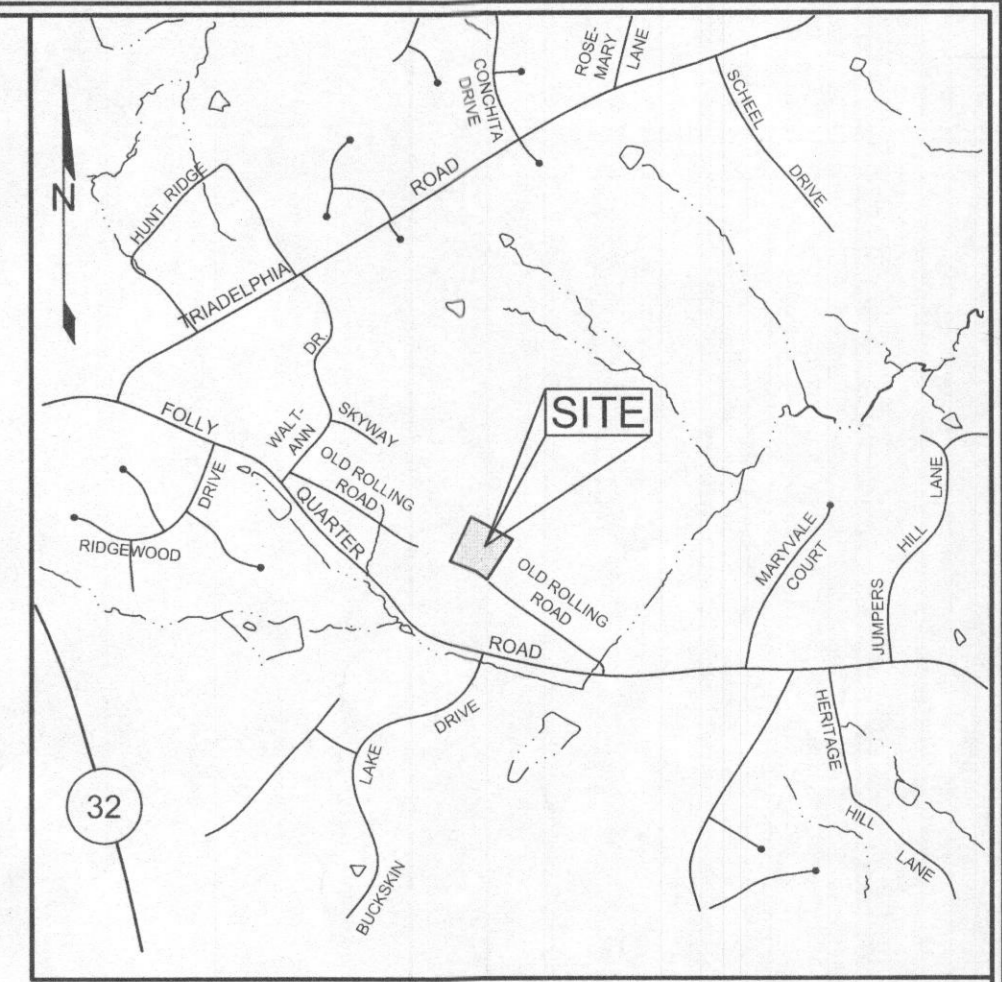
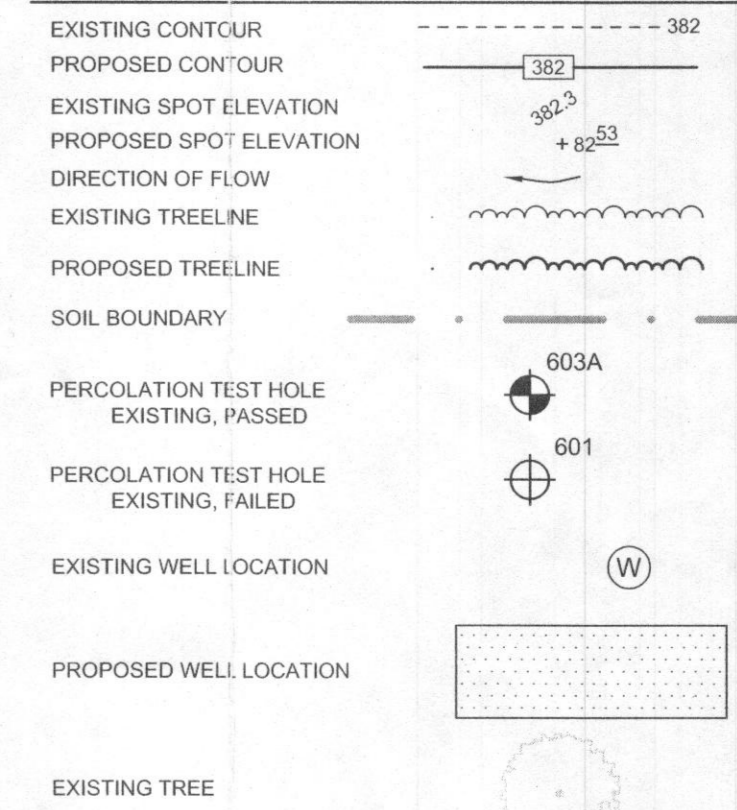
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SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.28
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.28
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	0.43
MaB	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	0.28
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B	0.28

NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE; NATURAL RESOURCES CONSERVATION SERVICE; WEB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

PERCOLATION TEST ELEVATIONS	
TEST NUMBER	ELEVATION
601	524.7
601A	544.2
602	525.1
602A	547.9
603A	559.6
604A	558.1
605A	554.1
606	541.6
607	542.9
608	539.1
609	542.4
610	536.7

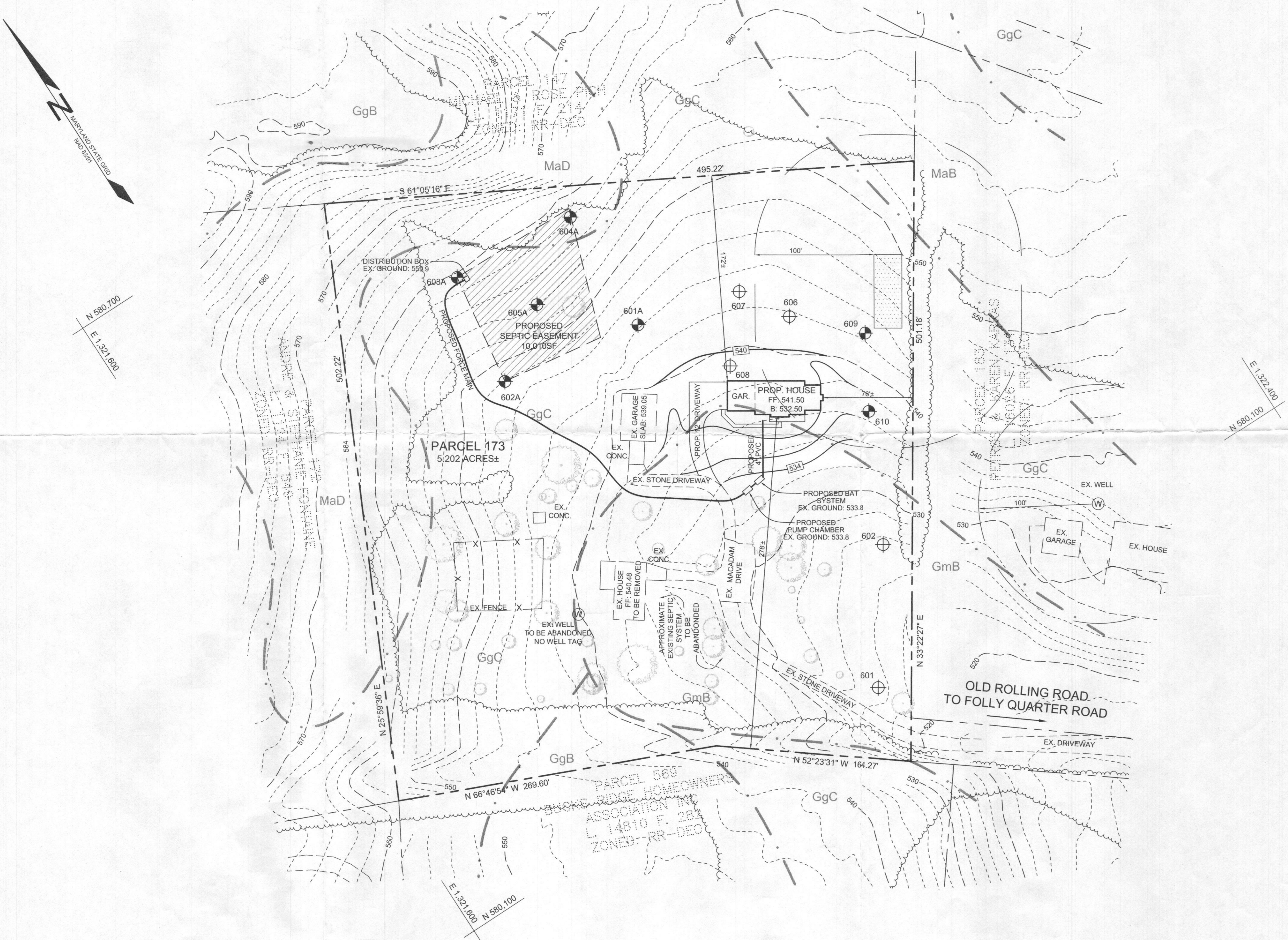
LEGEND



VICINITY MAP
SCALE: 1"=200'

GENERAL NOTES

- SUBJECT PROPERTY ZONED RR-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY = 5.202 AC.±
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- ZZZ THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- REFERENCE: LIBER 15867 FOLIO 272
- PROPERTY ADDRESS: 12934 FOLLY QUARTER ROAD
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
- THE EXISTING WELL TO BE PROPERLY ABANDONED ACCORDING TO HOWARD COUNTY HEALTH DEPARTMENT PROCEDURE.
- THE EXISTING SEWAGE DISPOSAL SYSTEM WILL BE ABANDONED PRIOR TO HEALTH APPROVAL OF A DEMOLITION OF THE EXISTING HOUSE AND PRIOR TO HEALTH APPROVAL OF A BUILDING PERMIT.
- THE BOUNDARY SHOWN HERE ON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY SHANBERGER & LANE IN SEPTEMBER, 2016.
- THE TOPOGRAPHY SHOWN ON SITE WAS FIELD RUN BY SHANBERGER & LANE, IN SEPTEMBER 2016.



PLAN VIEW
SCALE: 1"=50'

OWNER/DEVELOPER

EDIN SEJMOVIC
 12934 FOLLY QUARTER ROAD
 ELLICOTT CITY, MARYLAND 21042

PERCOLATION CERTIFICATION PLAN

SEJMOVIC PROPERTY

12934 FOLLY QUARTER ROAD

TAX MAP 22 GRID 16
 3RD ELECTION DISTRICT

PARCEL 173
 HOWARD COUNTY, MARYLAND



SILL ENGINEERING GROUP, LLC

11130 Dovedale Court, Suite 200
 Marriottsville, Maryland 21104
 Phone: 443.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: OCTOBER 5, 2016
 PROJECT #: 15-051
 SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32023, EXPIRATION DATE: JUNE 30, 2017.

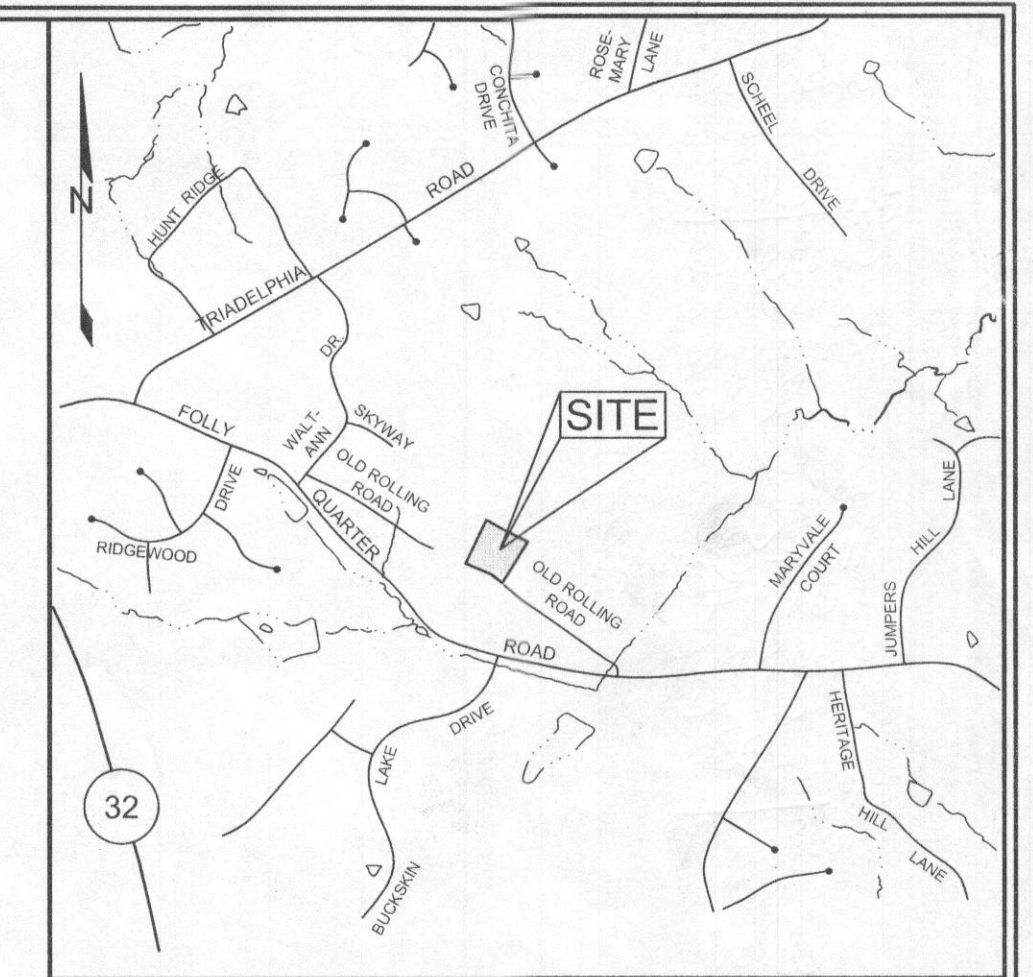
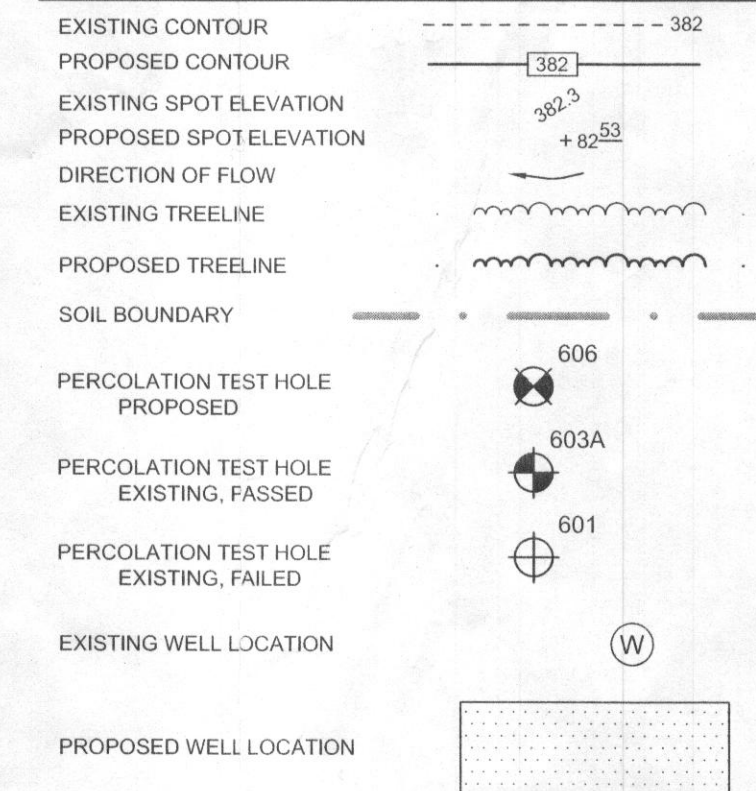
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Edin Sejmovic 10/19/2016
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

SOILS LEGEND			
SYMBOL	NAME / DESCRIPTION	GROUP	'K' FACTOR
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.28
GgC	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.28
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	0.43
MaB	MANOR LOAM, 3 TO 8 PERCENT SLOPES	B	0.28
MaD	MANOR LOAM, 15 TO 25 PERCENT SLOPES	B	0.28

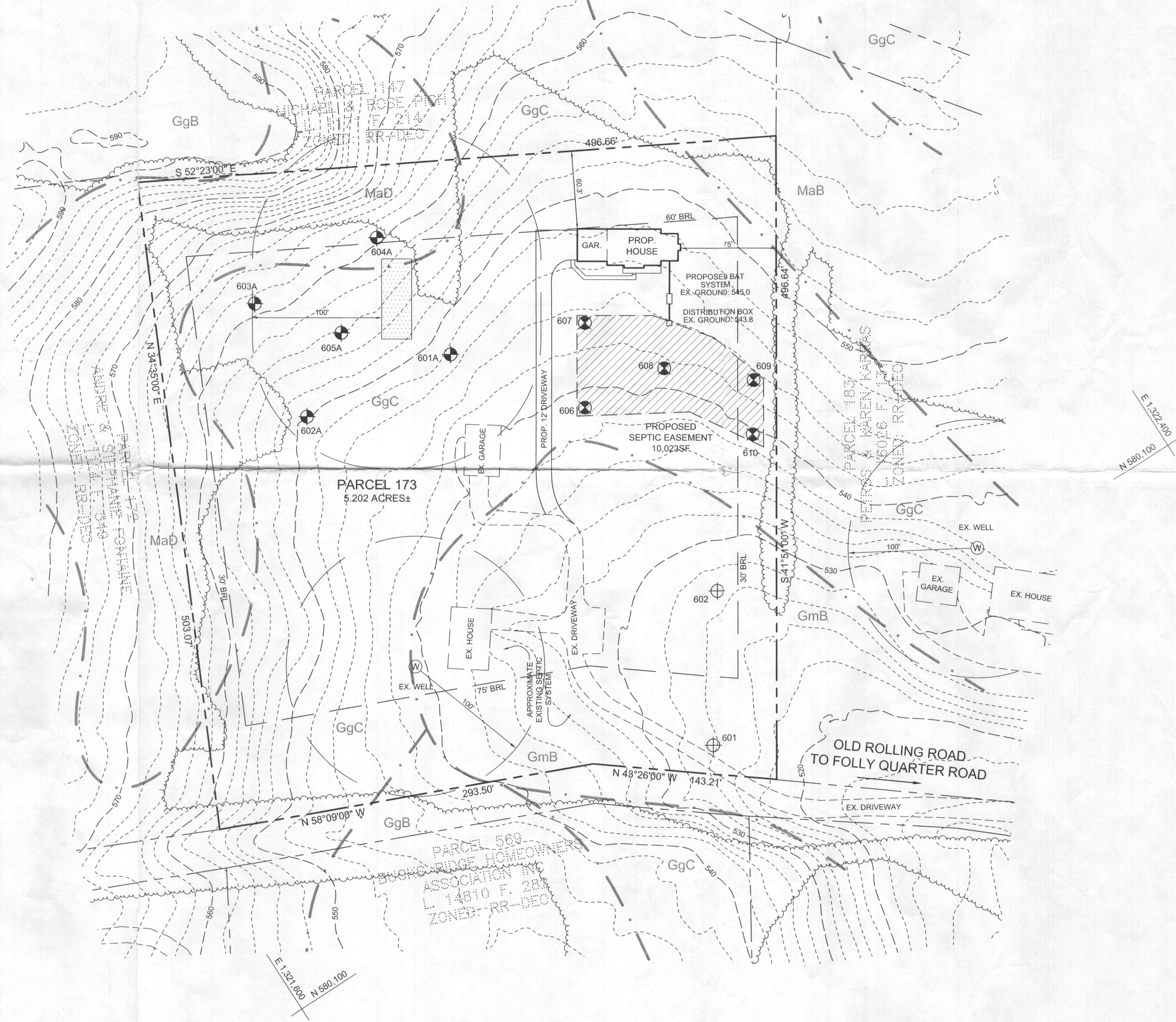
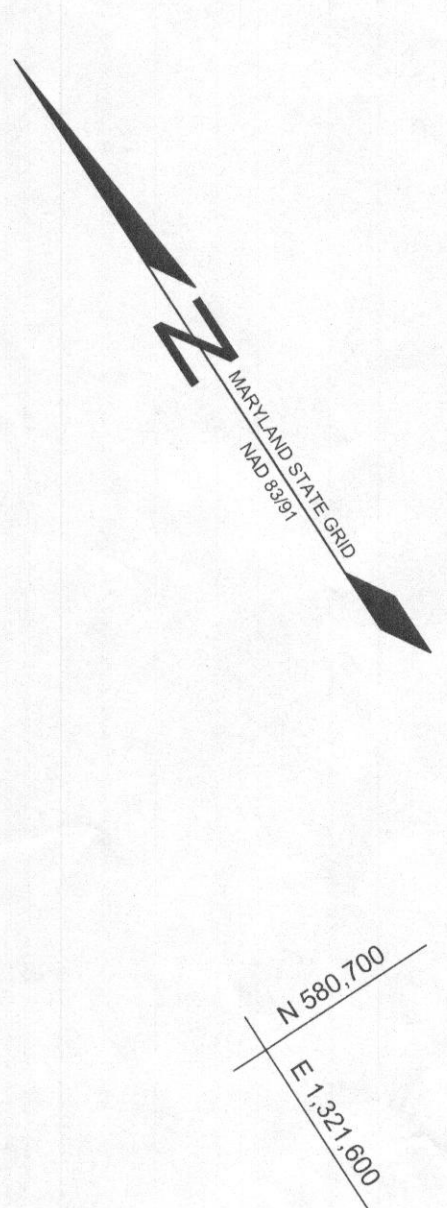
NOTES:
 1) SOIL INFORMATION HAS BEEN TAKEN FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, WEB SOIL SURVEY.
 2) HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR 'K' GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT.

LEGEND



GENERAL NOTES

- SUBJECT PROPERTY ZONED RR-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY = 5.202 AC ±.
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECREATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY. REFERENCE: LIBER 15867 FOLIO 272.
- PROPERTY ADDRESS: 12934 FOLLY QUARTER ROAD
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.



OWNER/DEVELOPER

EDIN SEJMNENOVIC
 12934 FOLLY QUARTER ROAD
 ELLICOTT CITY, MARYLAND 21042

PERCOLATION APPLICATION PLAN

SEJMNENOVIC PROPERTY

12934 FOLLY QUARTER ROAD

TAX MAP 22 GRID 16
 3RD ELECTION DISTRICT

PARCEL 173
 HOWARD COUNTY, MARYLAND



11130 Dovedale Court, Suite 200
 Marriottsville, Maryland 21104
 Phone: 443.325.5076
 Fax: 410.696.3022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: JULY 22, 2016
 PROJECT #: 15-051
 SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 30203, EXPIRATION DATE: JUNE 25, 2017.

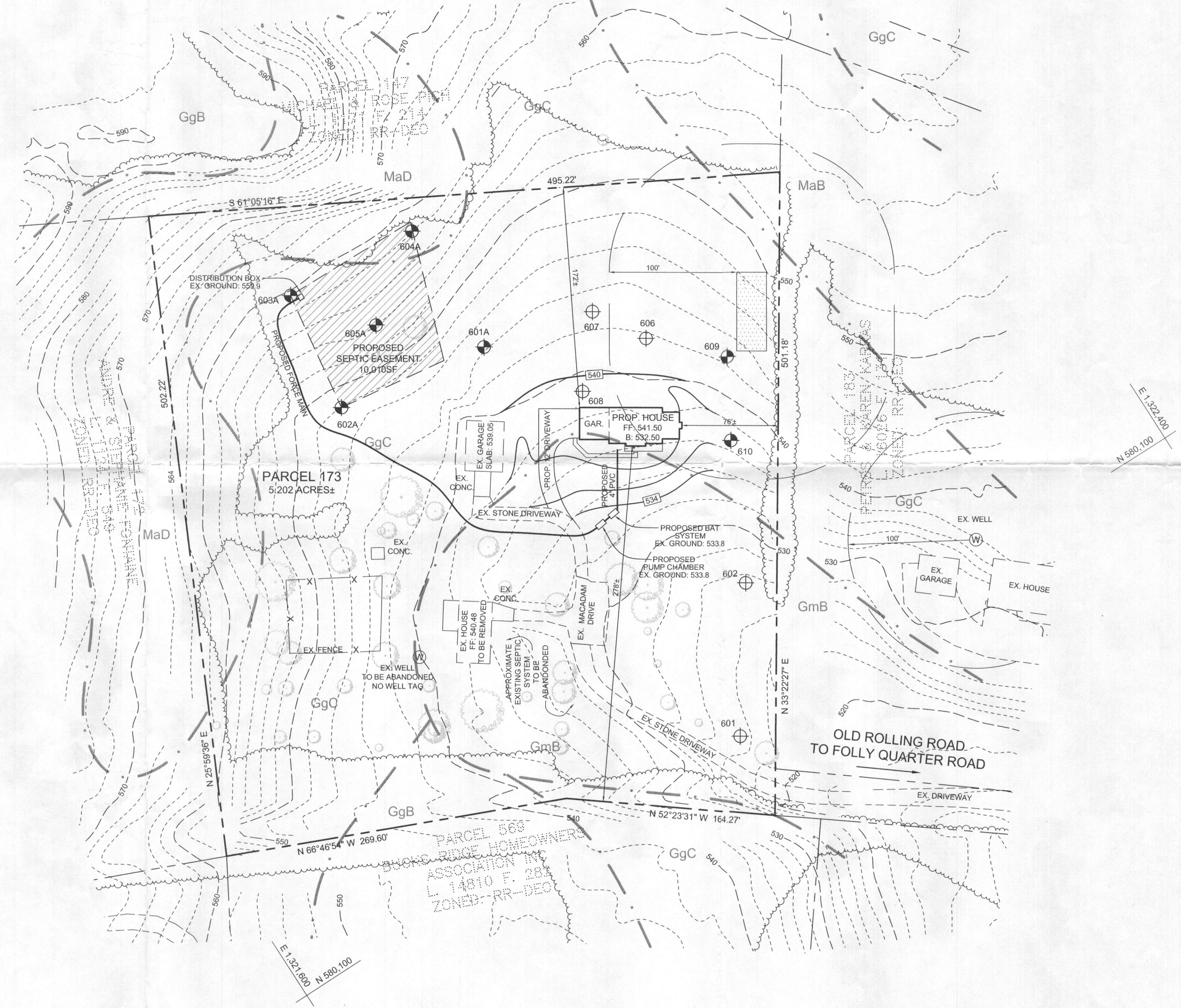
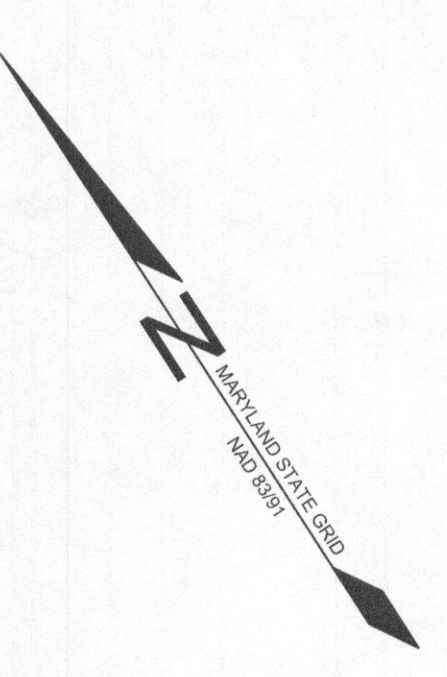
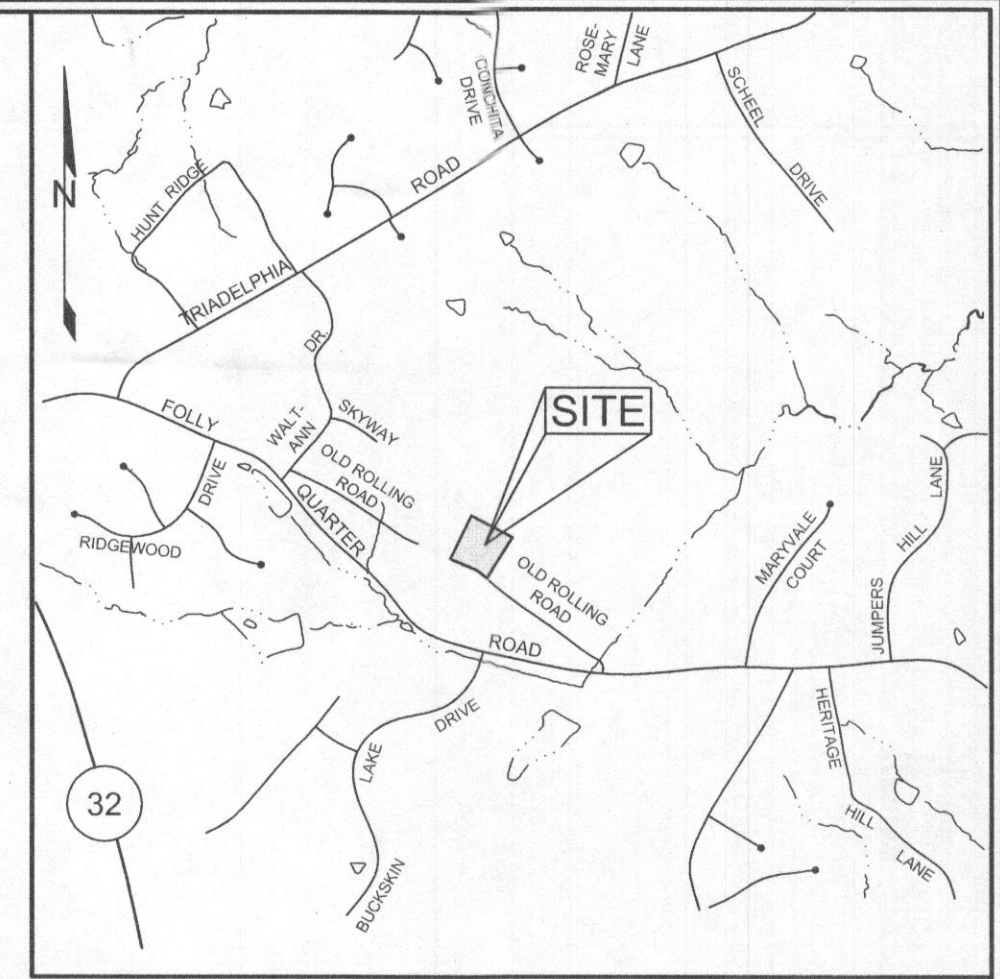
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PERCOLATION TEST ELEVATIONS	
TEST NUMBER	ELEVATION
601	524.7
601A	544.2
602	525.1
602A	547.9
603A	559.6
604A	558.1
605A	554.1
606	541.6
607	542.9
608	539.1
609	542.4
610	536.7

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- DIRECTION OF FLOW
- EXISTING TREELINE
- PROPOSED TREELINE
- SOIL BOUNDARY
- PERCOLATION TEST HOLE EXISTING, PASSED
- PERCOLATION TEST HOLE EXISTING, FAILED
- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- EXISTING TREE



PLAN VIEW
SCALE: 1"=50'

- GENERAL NOTES**
- SUBJECT PROPERTY ZONED RR-DEO PER 10/06/2013 COMPREHENSIVE ZONING PLAN.
 - TOTAL AREA OF PROPERTY = 5.202 AC.±
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 - REFERENCE: LIBER 19867 FOLIO 272
 - PROPERTY ADDRESS: 12934 FOLLY QUARTER ROAD
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 - ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
 - THE EXISTING WELL TO BE PROPERLY ABANDONED ACCORDING TO HOWARD COUNTY HEALTH DEPARTMENT PROCEDURE.
 - THE EXISTING SEWAGE DISPOSAL SYSTEM WILL BE ABANDONED PRIOR TO HEALTH APPROVAL OF A DEMOLITION OF THE EXISTING HOUSE AND PRIOR TO HEALTH APPROVAL OF A BUILDING PERMIT.
 - THE BOUNDARY SHOWN HERE ON IS BASED ON A FIELD RUN BOUNDARY SURVEY PREPARED BY SHANABERGER & LANE IN SEPTEMBER, 2016.
 - THE TOPOGRAPHY SHOWN ON SITE WAS FIELD RUN BY SHANABERGER & LANE, IN SEPTEMBER 2016.

OWNER/DEVELOPER
 EDIN SEJMEMOVIC
 12934 FOLLY QUARTER ROAD
 ELLICOTT CITY, MARYLAND 21042

PERCOLATION CERTIFICATION PLAN
SEJMEMOVIC PROPERTY
 12934 FOLLY QUARTER ROAD

TAX MAP 22 GRID 16
 3RD ELECTION DISTRICT

PARCEL 173
 HOWARD COUNTY, MARYLAND

SILL ENGINEERING GROUP, LLC
 11130 Dovedale Court, Suite 200
 Marriottsville, Maryland 21104
 Phone: 443.325.5076
 Fax: 410.696.2022
 Email: info@sillengineering.com
 Civil Engineering for Land Development

DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: OCTOBER 5, 2016
 PROJECT #: 15-051
 SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 32025. EXPIRATION DATE: JUNE 30, 2017.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

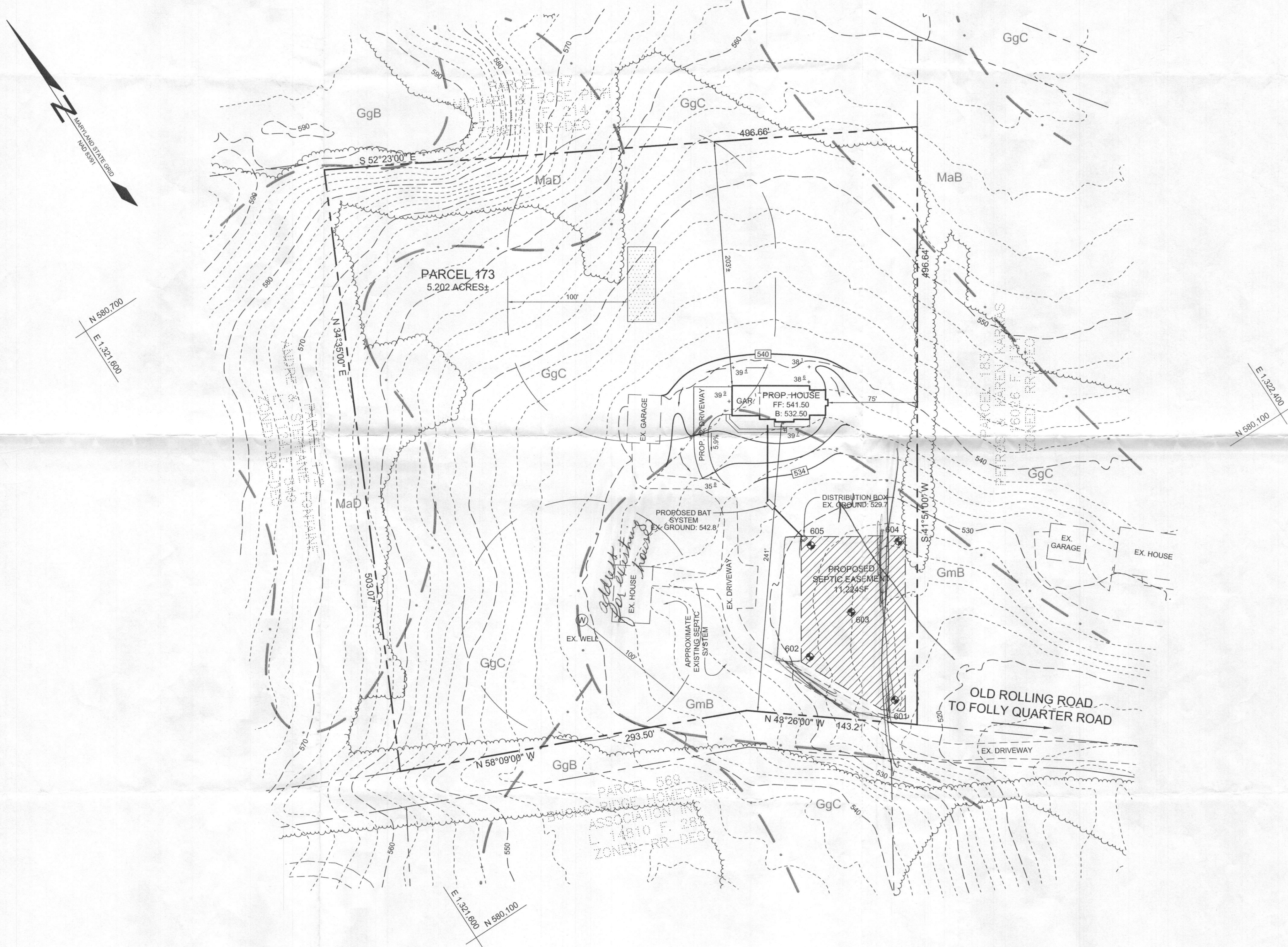
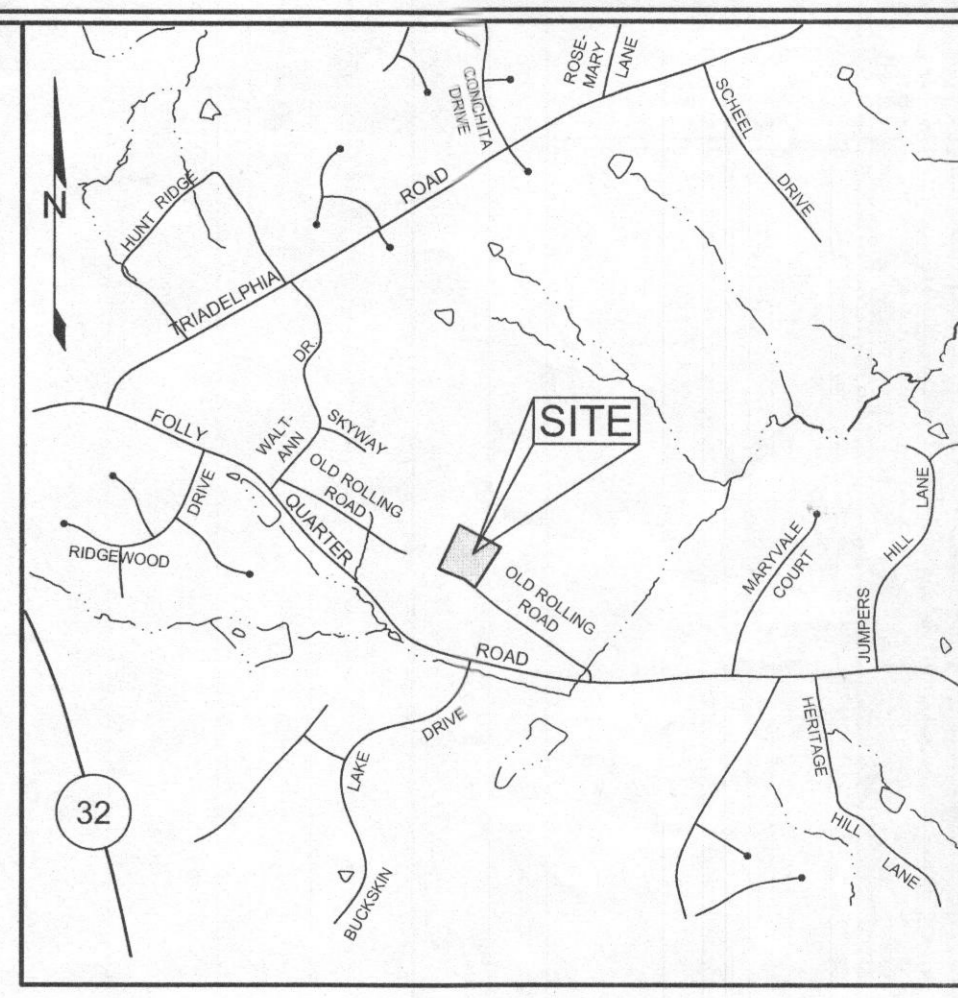
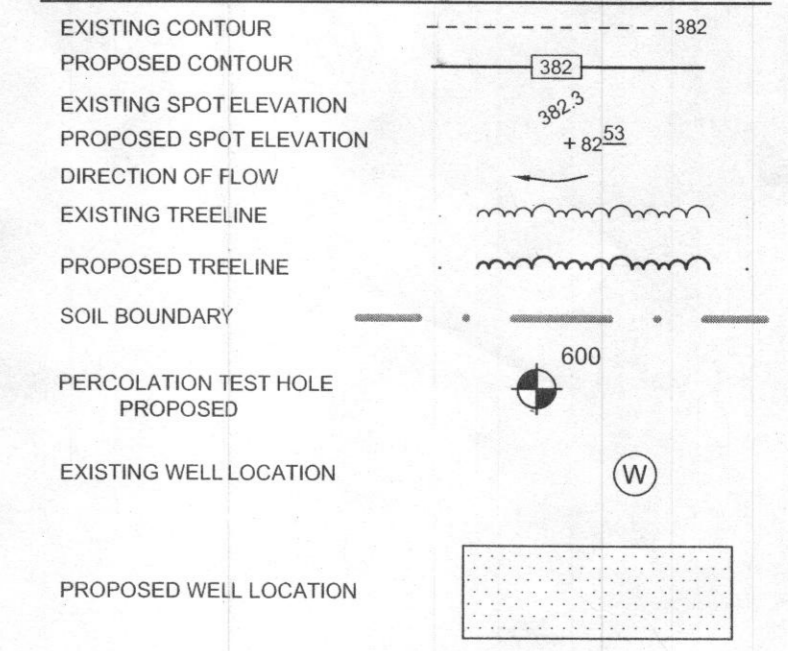
Edina Sejmovic
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

DATE: 10/13/2016

SOILS LEGEND			
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LEGEND



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Edin Sejmenovic
 OWNER/DEVELOPER

EDIN SEJMENOVIC
 12934 FOLLY QUARTER ROAD
 ELLICOTT CITY, MARYLAND 21042

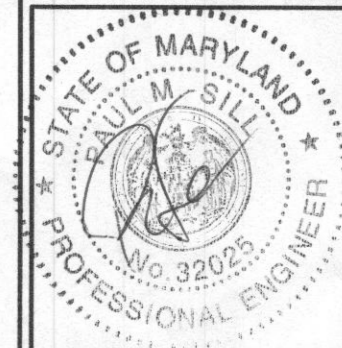
PERCOLATION APPLICATION PLAN

SEJMENOVIC PROPERTY

12934 FOLLY QUARTER ROAD

TAX MAP 22 GRID 16
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PARCEL 173
 HOWARD COUNTY, MARYLAND



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DESIGN BY: PS
 DRAWN BY: PS
 CHECKED BY: PS
 SCALE: AS SHOWN
 DATE: APRIL 21, 2016
 PROJECT #: 15-051
 SHEET #: 1 of 1

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